

The System of Iron-Cobalt-Aluminum, by
W. Koster.

GERMAN, per, Archiv fur Eisenhutten-
wessen, Vol 7, No 4, Oct 1933,
pp 263-264.

*NASA TT F-12,144

Sci-Mat
Feb 69

further investigations on the formation of
Graafian Follicles in the Ovary of the Adult
rabbit, by W. Koster.

48

Acta (GIA), ser. Versl Neder Konink Akad Wetensch
(Natuurk), 2nd Ser. No 7, 1873, pp 47-70.
Lew 41.1 8-3-66

W. Koster

SCI/ASL
ACC 66

314,733

Koster, W.
A CONTRIBUTION TO THE SCIENCE OF MICROPIA
AND MACROPIA: SUPPLEMENT TO MY ARTICLE
(Zur Kenntnis der Mikropie und Makropie: Nachtrag
zu Meinem Aufsatze). [1961] [18p] (foreign text
Included).
Order from SLA \$1.60

TT-61-14262

Trans. of [Albrecht von Graefe's] Arch[iv für]
Ophthal[mologie] (Germany) [1898] v. 45, p. 90-96.

(Biological Sciences--Physiology, TT, v. 12, no. 3)

TT-61-14262

I. Koster, W.

Office of Technical Services

5213

Köster, W. and Rauscher, W.
RELATIONSHIPS BETWEEN THE MODULI OF ELASTICITY OF BINARY ALLOYS AND THEIR STRUCTURE, 17 Mar 49, 12p. (figs refs. omitted)
Order from SLA \$1.60

62-18404

Trans. of Z[eitschrift] f[ür] Metallkunde (West Germany) 1948 [v. 39, no. 4] p. 111-120.

DESCRIPTORS: *Alloys, *Crystal structure, Eutectics, Intermetallic compounds, *Elasticity, Lattices, Phase studies, Chemical bonds.

A comprehensive review is given with respect to the concentration dependence of the modulus of elasticity of binary alloys. An investigation was made of continuous mixed crystal series, limited mixed crystal series, eutectic alloy series and alloys with intermetallic phases. The most important structural systems were (Metallurgy--Structural, TT, v. 9, no. 2) (over)

62-18404

I. Köster, W.
II. Rauscher, W.

Class 185

Office of Technical Services

Indication of the Quality Characteristics of Low Carbon Steels by Damping Measurements, by W. Koster,
G. Kampschulte.

GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXII,
Dec 1961, pp 809-822..

BIBI 2685

Sci - Min/Metals

203,501

Jul 62

list 136

The Change in Elastic Modulus With Composition
in Some Binary Systems, by W. Koester.
GERMAN, per, Zeit. Metallkde., No 39, 1948,
pp 111-120.
NBS IT 70-57530
Available NBS Only

61

W. Koester

Sci/Mat
Oct 70

Phase Equilibration in the Ternary ~~St~~ System
Iron-Cobalt-Manganese, by W. Koster,
M. Speidel.

GERMAN, per, Archiv fuer Eisenhuttenwesen,
Vol XXXIII, Dec 1962, pp 873-876.

BISI 3179

Sci - M/M
ReJan 64

246, 468

Determination of the Solubility of Carbon in Iron
Titanium Alloys by Means of Damping Measurements,
by W. Koster, J. Haber.

GERMAN, per, Archiv fuer Eisenhuttenwesen,
Vol XXXIII, Jan 1962, pp 23-26.

BISK 2805

Sci - Chem

204, 772

Jul 62

list 139

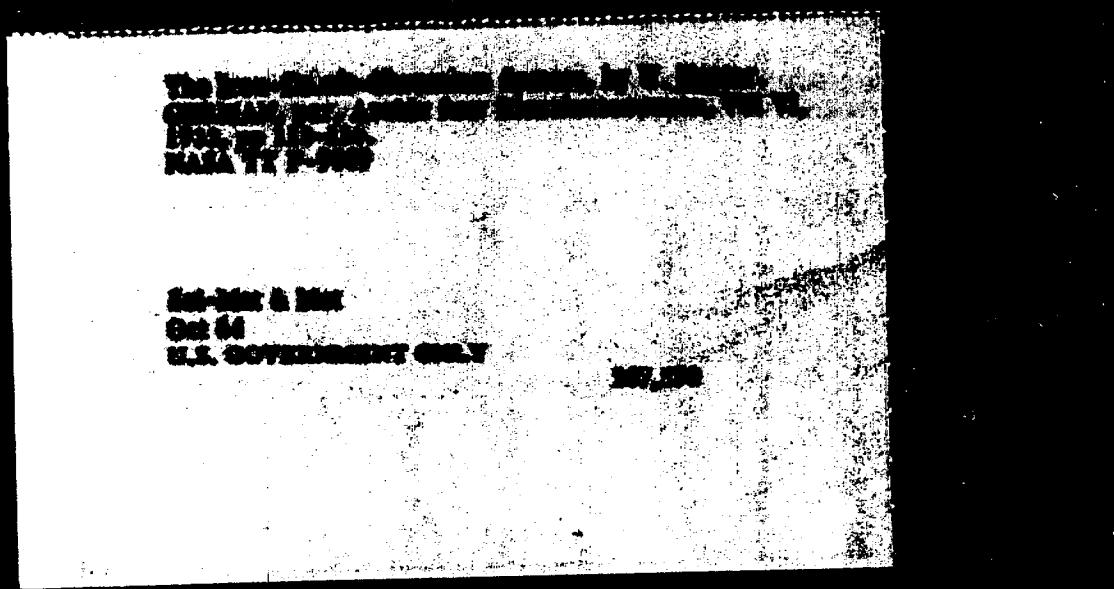
Isomorphism of the Type A^{III}B^V Compounds, by
W. Koster and W. Ulrich, 7 pp.

GERMAN, per, Zeitschrift fur Metallkunde, Vol. 50,
Vol XLIX, No 7, 1958, pp 365-367. 9201293

A.C.S.I.L. Tr No 1264

Sci - Chem
Feb 63

222,561



The Ternary System - Gallium-Arsenic-Zinc, by
W. Koester, and W. Ulrich, 8 pp.

GERMAN, part, Z fur Metallkunde, Vol XLIX, No 7, 1958,
pp 361-364. 9068980

A.C.S.I.L. Tr No 1263

Sod -
Jan 63

219, 391

Elastical Properties, by W. Koster, 10 pp.

GERMAN; rpt, Allgemeine Metallurgie, V.
Plastische Verformung Und Rekristallisation,
1948, pp 129-145, 9670566
41-47

PTD-MCL-710/1

16 1/3 56

Sci - Chem

Aug 61

Changes in the Properties of Iron-Nitrogen
Alloys Caused by Quenching and Heat Treat-
ments Below A_1 , by W. Koster.
GERMAN, per, Arch. Eisenh., Vol 3, 1930,
pp 553-558.
SISI 4660

W. Koster

Sci-M4H
Jul 66

303,879

Nitrogen in Industrial Iron, III - Precipitation of Nitrogen and Carbon From Iron as an Example of the Breakdown of a Doubly Super-Saturated Solid Solution,
by W. Koster.
GERMAN, per, Arch. Eisenh., Vol 4, Sept,
1930, pp 145-150.
SISI 4661

W. Koster

Sci-MEM
Jul 66

303,880

A Study on the Post-Natal Formation of Ova in
the Maternal Ovary and the Relationship of the
Ovary to the Peritoneum, by A. Koster,
MAGAZIJN, per, Versl Neder Konink Akad Wet-
ensch (Natuurk), 3rd Series, No 3, 1869, pp
141-151.

AM-311-7-16-66

sci-BGM
Jan 67

316,947

Isomorphism of the Type $A^{III}B^V$ Compounds, by
W. Koster and W. Ulrich, 7 pp.

GERMAN, per, Zeitschrift fur Metallkunde, ~~Kinzig~~,
Vol XLIX, No 7, 1958, pp 365-367. 9201293

A.C.S.I.L. Tr No 1264

Sci - Chem
Feb 63

222,561

Manganese Aluminium System, by W. Koster,
W. Bechthold.

GERMAN, per, Z fuer Metallkunde, 1938,
pp 294-296.

ER
CSIRO/No 6102

Sci-Materials & Metallurgy
May 63

229,856

<p>Köster, W. and Hofmann, G. RESISTOMETRIC INVESTIGATION OF THE INFLUENCE OF LATTICE DEFECTS ON THE COLD AGEING OF Al-Zn ALLOYS. [1961] [29]p. 22 refs. FRI Trans. no. 159. Order from SLA \$2.60</p> <p>Trans. of Zeitschrift für Metallkunde (West Germany) 1960, v. 51, no. 6, p. 303-313.</p> <p>DESCRIPTORS: *Aluminum alloys, *Zinc alloys, Lattices, Aging, Temperature, Resistance, Impurities</p> <p>The variations in electrical resistivity in the initial stages of the cold ageing of Al-Zn alloys with between 8 and 10% Zn were investigated as a function of the homogenising and ageing temperatures. The quenching rate was 20°C/sec. With increasing homogenising temperature up to about 400°C, the hardening rate was (over)</p> <p style="text-align: right;">61-18843</p>	<p>I. Köster, W. II. Hofmann, G. III. FRI-Trans-159 IV. Fulmer Research Inst., Ltd. (Gt. Brit.)</p> <p style="text-align: center;">Office of Technical Services</p>
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The Influence of Lead Upon the Modulus of
Elasticity and Upon Damping of Copper, Silver,
Brass, by Koster, Werner and Bangert, Lothar,
9 pp.

GERMAN, per, Zeit fur Metallkund, Vol XLII,
No 10, 1951, pp 391-394.

OTS 60-16481

Sci

188, 926

30 Mar 62

The Size of Particles of Iron Nitride Precipitated
From a Carbon and Nitrogen Supersaturated Iron,
by W. Koster, L. Bangert. UMCL

GERMANY, per, Arch Eisenhuettenwesen, No 5/6,
1954, pp 231-240.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,237

Damping Behavior of Titanium Containing
Hydrogen, by W. Koster, L. Bangert,
and M. Evers, 13 pp.

RUSSIAN, per, Z. Metall, Vol XLVII, No 8,
1956, pp 564-570.

Assoc Tech Serv
52J18G

Sci
Aug 58

72,134

Köster, W.

ON A SPECIAL PHENOMENON IN THE TEMPERATURE COURSE OF THE MODULUS OF ELASTICITY AND DAMPING OF METALS SUCH AS Cu, Ag, Al AND Mg. 3 Mar 49, Sp. (figs. tables refs. omitted). Order from SI.A \$1.10

62-18403

Trans. of Zeitschrift für Metallkunde (West Germany) 1948, v. 39 [no. 1] p. 9-12.

DESCRIPTORS: *Magnesium, *Aluminum, *Silver, *Copper, *Damping, *Elasticity, Temperature.

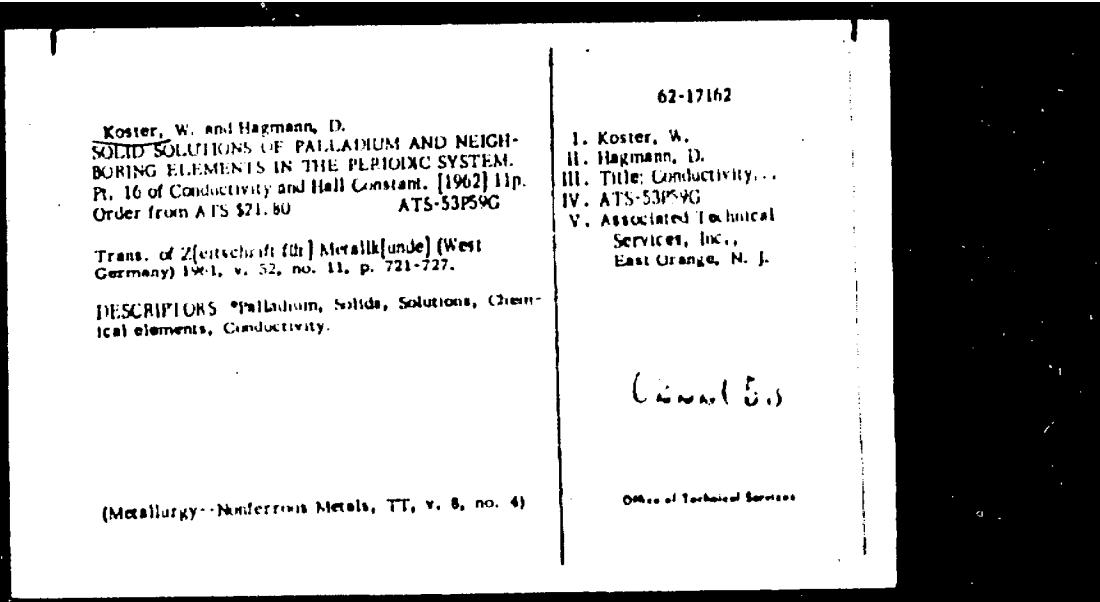
The temperature dependence of the modulus of elasticity and the damping of Cu, Ag, Al and Mg were determined. These four metals show, over an extensive temperature range, an unexpected lowering of the modulus of elasticity and an increase of damping. The height at which the bulge of the curve occurs depends on the degree of purity of the metals. The phenomenon is therefore due to (Metallurgy, TT, v. 9, no. 3) (over)

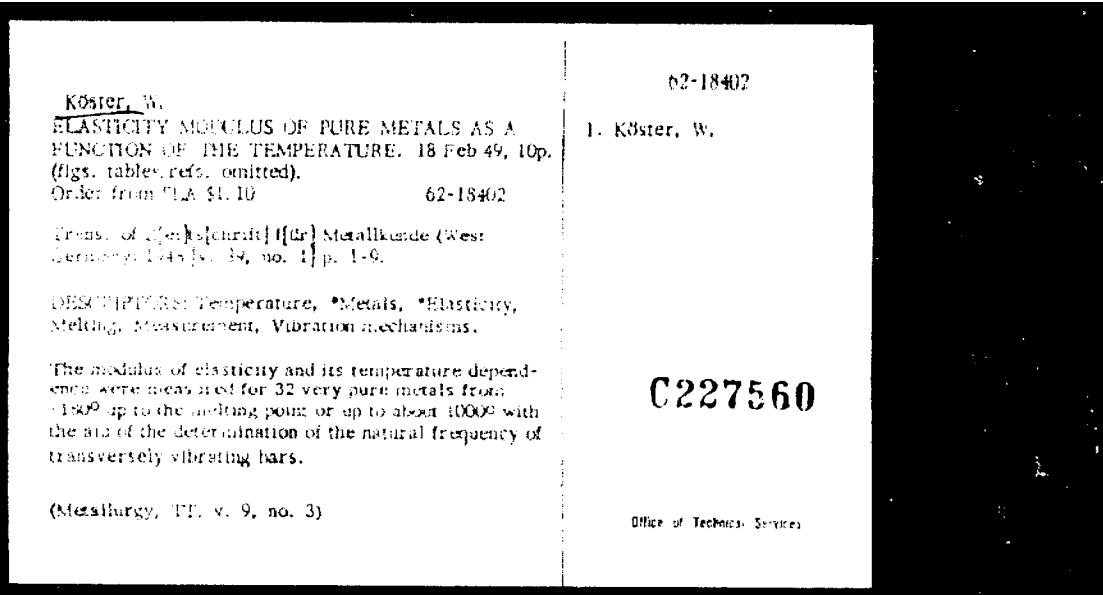
62-18403

I. Köster, W.

Office of Technical Services

C227561





On the Effect of Annealing on Electrolytic Nickel,
by W. Koster, 13 pp.

Russia, per, Z Metallkunde, Vol XXXI, No 6, 1939,
pp 168-170.

SLA 57-722

Sci - Minerals/Metals
Oct 57

54, 257

Observations on the Change in State that
Leads to the 475° Embrittlement of Iron-
Chromium Alloys, by W. Koster, and von
Kienlin, A., 29 pp.

GERMAN, per, Arch Eisenhuttenw, Vol XXVII,
No 12, Dec 1956, pp 793-799. 29 pp.

SLA 2534

Sci

Aug 58

69, 880

Contribution to the Problem of Cold and Hot Hardening
on the Basis of Thermolectric Investigations, by
A. Durer, W. Koster.

GERMAN, per, Z fuer Metallkunde, Vol XXX, No 9,
1938, pp 311-319.

TIL T 5036

Sci - Engr

137,373

Jan 61

The Iron-Cobalt-Tantalum System, by W. Koster,
A. Becker.

ERMAN, Archiv fur das Eisenhuttenwesen, Vol XIII,
1939-1940, pp 93, 94.

Brutcher Tr No 1633

Scientific - Min/Metals \$2.80

13,957

KOSTER, W.

Archiv Eisenhuttenwesen, vol. 3, No. 10, 21
figures, 9 tables, 9900 words; 1930.

On the Problem of Nitrogen in Technical
Steel. Part I

Brutcher, Trans. Order No. 2098, \$14.85

A. 5945

A New Method of Measurement for Young's Modulus and
Damping, by F. Forster, W. Koster

GERMAN, per, Zeitschrift fur Metallkunde, Vol XXXIX,
N pp 109-115. 116-123.

Brutcher Tr 460

Scientific - Minerals/Metals
CTS/DEK Price \$2.50

9573
~~4666~~

Effect of Powder Particle Size Upon Behavior of
Sintered Iron in Nitriding, by W. Koester, J.
Raffelsieper

GERMAN, per, Archiv Eisenbuttenwesen, Vol XXXIII,
No 5-6, 1952, pp 225-228.

Bratcher Tr 3093

Scientific - Minerals/Metals
CRS/DEX Price \$6.40

8519

Modulus of Elasticity and Damping of Iron and Iron
Alloys, by W. Koster, 28 pp.

GERMAN, per, Arch Eisenhüttenwesen, Vol XIX, 1947G,
pp 271-278. (Loan Copy Only).

SLA 57-3019

Sci

Aug 38

71,438

WAGNER, W.

Archiv Eisenhüttenwesen, vol. 5, 2 diagrams, 600-word abstract; 1934.

The System Iron-Nickel-Molybdenum.

Britisher Trans, Order No. 321, \$1.20.

A 5939

KOETTEL, W.

Archiv Lisenhüttenwesen, vol. 7, 7 figures, 1300 words;
1924.

Iron End of Iron-Manganese-Chromium Constitution
Diagram.

Mincher Trans, Order No. 651, 1.30.

A 59 40

Change in Properties During the Hardening of a
Copper Chromium Alloy, by W. Koster, W. Knorr.

GERMAN, per, Z fuer Metallkunde, Vol XLV, No 6,
1954, pp 350-356.

TIL T.4800

Sci - Min/Met

51, 365

Aug 57

Velocity of Action of Oxygen, Hydrogen Sulfide
and Halogens on Metals, by G. Zemann and W. Kostar,
21 pp.

T

Full translation.

GERMAN, per, Zeitschrift fuer angewandte und
allgemeine Chemie, Vol CXXIII, Aug 1922, pp 196-201,
208, 224.

MACA TM 1339

Sci - Minerals/Metals

A-5941

Aug 52 CIS

DEX

On the Recovery of the Internal Friction of Brass
Immediately After Deformation, by W. Koster, E.
Stoltz.

GERMAN, per, Z. Metallkunde, Vol XLV, 1954, pp
356-365.

ASLIB-GB33

Sci

Aug 59

95, 704

KOSTER, W.

ZEITSCHRIFT METALLKUNDE, vol 25, 1933

The Ternary System Cobalt-Chromium-Tungsten.

Brutcher #1332, \$6.85

A-5942

<p>Koster, W. A CONTRIBUTION TO THE SCIENCE OF MICROPIA AND MACROPIA (Zur Kenntniss der Mikropie und Makropie). [1961] 40p. 7 refs. Available on loan from SLA 61-14738</p> <p>Trans. of A[lhrecht] v[on] Graefe's Archiv [für] Ophthalmologie] (Germany) 1896, v. 42, p. 134-178.</p> <p>DESCRIPTORS: *Visual perception, *Eye, *Retina, *Optics, Ophthalmology, Brightness, *Vision, *Optical images, Focusing.</p> <p>(Unannounced)</p>	<p>61-14738</p> <p>1. Title: Micropsia 2. Title: Macropsia 1. Koster, W.</p> <p>Office of Technical Services</p>
--	--

KOSTER, W.

Zeitschrift Metallkunde, vol. 36, No. 5, 300
words; 1944.

Danger Of Explosion in Electrolytic Polishing
with Perchloric Acid Solutions.

Brutcher Trans., Order No. 1872, \$1.20

A 5943

KOSTER, W.
TONN, W.

The Iron Corner of the System Iron-Manganese-Alumin.
num.

ARCHIV EISENHUTTENWESEN, vol 7, 1933-4,
pp 365-6; 1000 words.

JUL 46.11.67

Brutcher No 1995, \$ 1.75 A-5944

Conductivity and Hall Constant: II. The Solid
Solution Series $\text{Co}_3\text{V} - \text{Ni}_3\text{V}$, by Werner Koster,
Franz Sperner, 15 pp.
GEMAL, per, Z. Metallkde, Vol 48(10), 1957,
pp 544-549.
A.C/GENL/Tr-2019-68

Werner Koster

Sci/Materials
Feb 09

374,241

The Ternary System Cobalt-Nickel-Vanadium, by
Werner Koster, Franz Sperner, 9 pp.
GERMAN, per, Z. Metall. Vol 48(10), 1957.
pp 540-545.
AEC/DPNL/Tr-2018-68

76

Sci/Material
Feb 69

374,238

The Question of Nitrogen in Technical Iron,
III. Precipitation (Separation) of N₂ and
C From Alpha-Iron as an Example of the
Decomposition of a Solid Solution Supersaturated
With Both Components, by Werner Koster, 7 p.

GERMAN, per, Arch fur Eisenhutten, 1930,
Vol IV, No 3, pp 145-150.

SLA 59-20228

109,646

Sci
Mar 60
Vol 2, No 11

The System Iron-Cobalt-Tungsten, by Werner Koster,
Willi Tonn, 13 p.

GERMAN, per, Arch fur das Eisenbuttenwesen, 1932,
Vol V, No 8, pp 431-440.

SLA 59-20229

Sci
Mar 60
Vol 2, No 11

109643

Hardening of Gold-Nickel Alloys, by Werner Koster,
Walter Dannohl, 10 p.

GERMAN, per, Zeit fur Metallkunde, 1936, Vol XXVIII,
No 9, pp 248-253.

SLA 59-20234

Sci
Mar 60
Vol 2, No 11

109,642

The Cobalt Corner of the Iron-Cobalt-Vanadium
System, by Werner Koster, Karl Lang, 4 p.

GERMAN, per, Zeit fur Metallkunde, 1938, Vol XXX,
No 9, pp 350-352.

SLA 59-20232

Sci
Mar 60
Vol 2, No 11

109,641

Concerning the Synthesis and the Volume Changes
of Zinc-Copper-Aluminum Alloys III. Survey
of the Course of Equilibrium in the Copper-
Aluminum-Zinc System, by Werner Koster, 26 p.

GERMAN, per, Zeit fur Metallkunde, 1941, Vol
Vol XXXIII, No 8/9, pp 289-296.

SLA 59-17830

Sci
Feb 60
Vol 2, No 10

108912

Permanent Magnet Materials with Respect to
Precipitation Hardening, by Werner Koester, 12 p.

GERMANY, per, Stahl und Eisen, 1953, Vol LIII,
No 33, pp 849-856.

SLA 59-202224

109 234

Sci
Mar 60
"ol 2, No 12

The System Iron-Nickel-Molybdenum, by Werner Koster,
5 p.

GERMAN, per, Arch fur das Eisenhuttenwesen, 1934,
Vol VIII, No 4, pp 169-171.

SLA 59-20055

Sci
Mar 60
Vol 2, No 12

109,243

The Relationships of Magnetic Properties,
Especially the Coercive Force to the Structure
of the Alloys and the Development of New Types
of Magnet Alloys, by Werner Koster, 6 p.

GERMAN, per, Z fur Elektrochemie, 1932,
Vol XXXVIII, No 8 a, pp 549-553.

SLA 59-15816

Sci
Jan 60
Vol 2, No 5

104, 612

Relations Between the Modulus of Elasticity of
Binary Alloys and Their Structure, by Werner Koster,
Walter Rauscher, 49 pp.

GERMAN, per, Zeitschrift fuer Metallkunde, Vol XXXIX,
1948, pp 111 - 120.

NACA TM 1321

Scientific - Engineering

December 1951 CTS

A. 5946

Bonmetallic Inclusions in 16-Ton Rimmed
Steel Ingots, by L. B. Kostarev, G.H.
Oiks.

RUSSIAN, par., Iz Vysokikh Ucheb Zaved,
Chern Metal, No 11, 1961, pp 45-56.

HB 5470

Sci - Min/Met
Jan 62

199, 391

deggregation of Elements During the Solidification
of 18-Ton Rimming Steel Ingots,
by I. P. Kostarev, G. N. Oiks.

RUSSIA, per, Iz Vysshikh Ucheb Zaved
Chern Metal, No 11, 1960, pp 50-60.

HB 5100

Sci - Min/Met
Dec 61

175, 019

The Zr/Hf Ratio in the Zircons of Some Igneous
Rocks of the Northern Slope of the Kuramin Mountain
Range, by A. V. Kosterin, E. D. Shevaleevskii, 5 pp.

RUSSIAN, per, Geokhim, No 5, 1960.

GS

Sci

Aug 62

216,233

the possible modes of transport of the rare earths by hydrothermal solutions, by [Kostom] A. V. /7 pp.

RUSSIAN, rev, Geokhim, No 4, 1959, pp 210-215.

Geochim Soc

Sci
Oct 61

172, 539

Zr/Hf Ratio in Zircons in Some Igneous Rocks of
Northern Kirgizia, by A. V. Kosterin, V. N. Zuyev,
I. D. Shevaleyevskij, 4 pp.

RUSSIAN, per, Geokhimiya, No 1, 1958, pp 86-89.

Geochemical Society

Sci - Geophys
Dec 58

77,601

163
Glassy Liquid Crystal Films, by I. G. Chistyakov,
E. A. Kosterin,
RUSSIAN, per, Recd. Kristalloy, Akad Nauk SSSR,
Inst. Kristallogr., Vol IV, 1964, pp 66-73.
AT&T NJ-4706

Sci-Phys
Jul 67

329,126

The Generosity of the Ugryum River, by S. Kosterin, 5 pp
RUSSIAN, np, Sovet Rossiya, 12 May 1964, p 4.
JPRS 25662

USSR
Econ, Geog
Aug 64

264,680

Relative Velocities of a Steam-Water Flow in
Vertical Unheated Pipes, by S. Kosterin,
N. I. Semenov, et al.

RUSSIAN, per, Teploenergetika, Vol. VIII, No 1,
1961, pp 58-65.

AEC-MIL-RTS-1957

Sci - Engr

Apr 63

227, 028

102
Experimental Investigation of Heat Exchange
of Flat Plate in Supersonic Rarefied Gas Flow,
by S. I. Kostin, Yu. A. Kochmarov, 13 pp.
RUSSIAN, per, Исследование теплообмена, Vol 2, No
2, 1962, pp 263-269 P100303267
FTD-MT-67-43

J. J. Kastner
Sci-Physics
Dec 67

344,430

Heat Exchange in a Turbulent Flow of Air in an
Annular Space Between Rotating, Coaxial Cylinders,
by S. I. Kosterin, U. P. Finatyev, 11 pp.

RUSSIAN, per, Inzh Fiz Zhur, Vol V, No 8, 1962,
pp 3-9.

CIA/PDD XX-1641
NO FOREIGN DISSEM

Sci - Engr
Jan 65
USIB Internal Use Only

270,482

Experimental Research of Heat Transfer of a Flat Plate in a Supersonic Flow of a Rarefied Gas, 113
by S. I. Kosterin, et al.
RUSSIAN, per, Inzhenernyy Zhurnal, Vol 2, No 2,
1962, pp 263-269.
*FTD-MT-67-43

S. I. Kosterin

Sci/Physics
Aug 67

Results of an Investigation of the speed of sound
in Mixing Gas-Liquid Mixtures, by N. I. Semenov,
S. I. Kosterin, 13 pp.
PUBLIAN, per. Impressojetka, Vol 41, No 6,
1961, pp 46-51. 0228760
AMC-X RPD-Tr-15

AMC-Dye
May 81

S. I. Kosterin

281,412

NCII-202 363 (p.240-244)

Field 20D, 13G

Kosterin, S. I.; Finatov, Y. P.
CALCULATING THE HYDRAULIC RESISTANCE IN
ANNULAR CHANNELS. Apr 65, 5p, 14refs.
Order from ICE in International Chemical Engineering.
v5 n2

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR)
v7 n10 p6-13 1964.
See also 'Translated or Abstracted Publications.'
In TT Vol. 14, No. 8.

1. American Institute of
Chemical Engineers
New York, N. Y.

structure, Parameters and Interaction
of supersonic jets in Contemporary
Vacuum Pipes, by S. I. Kosterin,
N. I. Yushchenko, 21 pp.
RSSIA, per Teplo i Massoperenos,
Osnovnye Voprosy Teploobmena, Vol III,
1965. 9698268
F10-11-200

54

S. I. KOSTERIN

SCI - ADRC
REC 63

261,946

On the Influence of Communism on the Democratic World
on the Basis of the Report of the Commission by
S. S. Khrushchev to the XX Congress of the CPSU
Moscow, April, 1956, Moscow, TASS, No. 11, 1956.
Ref ID: A629
CIA-RDP91-00929

Sec - Prop
May 64
FOR OFFICIAL USE ONLY

207,425

On the Influence of Rarefaction of Supersonic Flow
on the Base Pressure of a Rotating Body, by
S. I. Koesterin, N. T. Salova, 13 pp.

RUSSIAN, per, Inzhenerno-Fizika Zhar, Vol VI, No 11,
1963.

JFM 29013

Sci

Feb 64

149,052

Investigating Flow and Heat Transfer of a
Rarefied Gas in a Flat Supersonic Nozzle, by
S. I. Nesterin, Yu. A. Koshmarov, 11 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 4, 1962, pp 3-9. 9678832

PTD-TT-62-1279

Sci-Bagr
Dec 62

217, 638

Hydraulic Resistance of Steam-Water Flow in Vertical
Unheated Pipes, by S. I. Kostarin, V. V. Polyakov,
et al, 7 pp.

RUSSIAN, per, Inzh Piz Zhur Akad Nauk Beloruss SSR,
Vol V, No 7, 1962, pp 3-10. 9208775

AEC-Tr-5760

Sci - Nucl Sci

232,683

Jul 63

Kosterin, S. L., Yushchenko, N. I. and others.
AN INVESTIGATION INTO THE EFFECT OF THE
RAREFACTION OF A SUPERSONIC STREAM ON THE
READINGS OF A TOTAL-HEAD PROBE. Apr 63, Sp.
9 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Transl. of Inzhenerno-Fizicheskiy Zhurnal (USSR) 1962
[v. 5] no. 12, p. 16f.

DESCRIPTORS: Chemical engineering, "Pitot tubes,
Measurement, Pressure, Mach number, Viscosity,
Nozzles, Attenuation, "Supersonic flow.

(Mechanics--Aerodynamics, TT, v. 10, no. 3)

63-17517

- I. Title: Rarefaction
- II. Kosterin, S. L.
- III. Yushchenko, N. I.
- IV. International Chemical Engineering, New York

Office of Technical Services

Kosterin, S. I., Yushchenkova, N. I. and others.
INVESTIGATION OF THE INFLUENCE OF A RAREFIED SUPERSONIC FLOW ON READINGS OF IMPACT PRESSURE PROBES. [1963] 11p. 9 refs.
Order from OTS or SLA \$1.60 63-18172

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1962
[v. 5] no. 12, p. 16-22.
Another trans. is available from ICE in v. 3, no. 2,
\$15.00/year.

| DESCRIPTORS: *Pitot tubes, Measurement, Pressure,
Mach number, Viscosity, Nozzles, Attenuation,
*Supersonic flow, Superaerodynamics.

The results of the investigation of the influence of a supersonic rarefied flow on the value of impact pressure, measured by a thin-walled impact pressure probe with a small outer angle of taper, for a transition (Mechanics--Aerodynamics, TT, v. 10, no. 10) (over)

63-18172

I. Kosterin, S. I.
II. Yushchenkova, N. I.

105247
Office of Technical Services

Methods of Generalizing Experimental Data on
Convective Heat Transfer During the Movement of
Gas in the Initial Region of a Conduit, by
S. I. Kosterin, A. I. Leont'yev, et al. 9 pp.

RUSSIAN, per, Teploenergetika, Vol X, No 5, 1962,
pp 70-72. 9679789

FTD-TT-62-1456

Sci- ~~Eng~~ Phys
Mar 63

224,752

Effect of the Divergence Angle on the Position
of the Shock Wave in a Supersonic Nozzle for
Uncalculated Conditions in the Presence of
Heat Transfer, by S. I. Kostarin, 8 pp.

RUSIAN, per, Inzhenerno Fiz Zhur, No 4,
1961, pp 3-9.

ACSI I-0026
ID 2174793

Sci - Engr

188, 424

20 Mar 62

Electrical Method of Recording Stratification
of a Snow-Water Mixture, by A. E. Marshall,
S. I. Kosterin, R. L. Shultz, May
1951, 200, At Dept. of Civil Engg. Inst.
Inst. N 1951, No 2, 20 150-138
CAB 20-64-1951
SEA 21-53-21931
ARME Lab/Parsons-590

S. I. Kosterin
Sci - Soc May and
Rep Chem
July 67

330,955

The Choice of Limiting Temperature for Calculations
of Convective Heat Transfer and Friction in Dynamic
Gas Conditions, by S. I. Kosterin, V. A. Kosmanov,
5 pp.

RUSIAN, RIAZ, THERM ZH, Vol III, No 7, 1960;
pp 3-9. REGD 2207221

ABC/ERG Infor Ser
279 (W)

232, 23/

Sci - Phys

May 63

57

Effect of Pressure Fluctuations in a Gas
Flow on Convective Heat Exchange,
by N. I. Kosterina, I. A. Rozhinov, et al.,
13 pp.
Moscow, per, Teploenergetika, No. 3,
1959, pp. 66-72. 9697185
PTB-77-66-1065

ACI-DBP:T
Re: 65

282,235

The Turbulent Boundary Layer on a Flat Plate in a
Uniform Stream of a Compressible Fluid. S. I.
Kesterin and Yu. A. Kochmarov, 10 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 7,
1959, pp 906-915.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol IV, No 7

107,315

Sci

Feb 60

The Hydraulic Frictional Resistances to the
Flow of a Mixture of Steam and Water in a Straight
Horizontal Tube, by S. I. Kosterin, B. I.
Sheynin. UNCOL

GERMAN, per, Teploenergetika, No 6, 1958,
pp 71-76.

DSIR LIU RRS 1062

15s. 0d. 94, 825

Sci - Phys
Aug 59

Experimental Values for the Separate Flow of a
Steam-Water Mixture in a Straight Horizontal
Tube, by S. I. Kosterin et al.

RUSSIAN, per, Teploenergetika, No 1, 1956, pp 22-25.

Co-Op Trans Sch Tr 345
£1.12s.

Sci - Engr
Jul 57

49,166

An Electric Method of Recording the Stratification
of the Steam-Water Mixture, by A. K. Katarzhis,
S. I. Kosterin, B. I. Shainin, 8 pp.

RUSSIAN, per, Iz Ak Nauk Otdel Tekh Nauk, No 2, 1955,
pp 132-136.

ATIS R-15-13-3/1 C-17
Sci Mus Lib - 56/0292
A. E. R. E. Harwell Tr 590

Sci - Chemistry, Electricity 33,793

May 1956

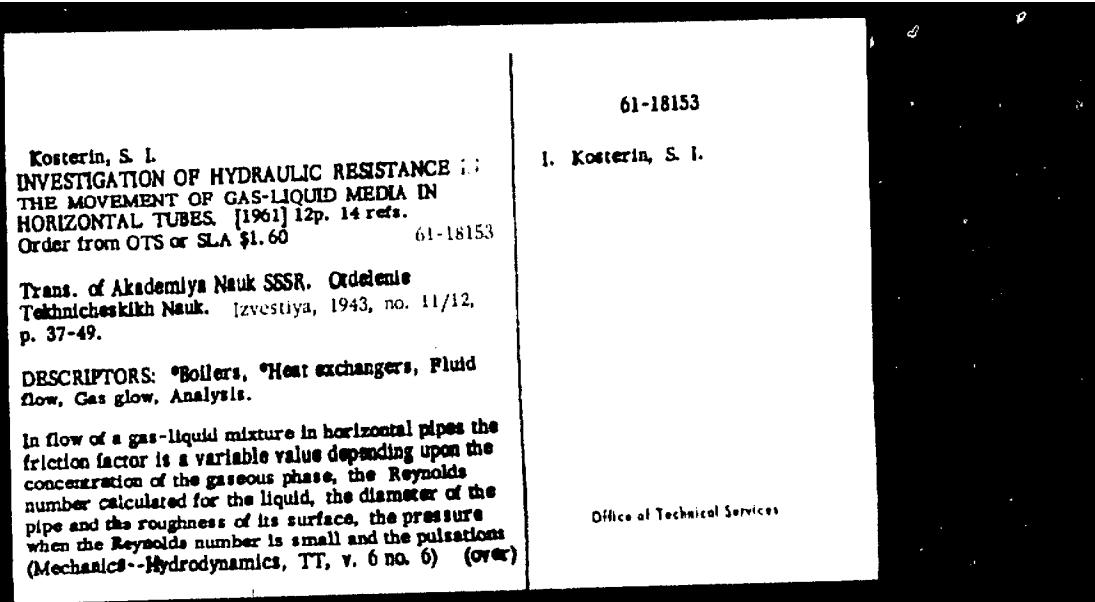
Study of Influence of ~~the~~ Tube Diameter and Position
Upon Hydraulic Resistance and Flow Structure of Gas-
Liquid Mixtures, by S. I. Kosterin

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1949, pp 1824-1831.

Brutcher Tr 3085

Scientific - Chemistry
STS/DEX Price \$7.90 1053

1AC Internal Use Only CIA FDD/XX-215



The Problem of Evaluating Afterburners in a
Turbojet Engine System, by V. A. Kosterin.
RUSSIAN, per, Trudy Kazan, Aviatcionnyy Institut,
(Aviatsionnoye Uprisatel'), No 76, 1963, pp 50-62.
*PTD-HT-66-351

55

V. A. Kosterin

Sci/Merospace
Jun 66

Reasons for the Occurrence of, and Possibilities
of Eliminating "Squeal" in Vehicle Brakes,
by Yu. I. Kosterin, I. I. Vasilev.
RUSSIAN, per, Avtomob. Prom-st', No 12,
1962, pp 21-23.
NLL/9022.6 1963 (50/63)

Yu. I. KOSTERIN

Sci -
Jul 67

334,302

pp. Determining the Equilibrium Absorption of Asbestos Bra
Linings, by A. F. Villert, Yu. I. Kostarin, 3 pp.

RUSSIAN, per, Kawchuk i Rezina, Vol XIX, No 11, 1960,
pp 24-28.

RAPRA

sci

165, 073

Aug 61

Static Friction Characteristics of Non-Metallic
Pairs, by Yu. I. Kosterin, G. S. Sidorenko, 3pp.

RUSSIAN, per, Vest Mashinostroy, Vol XL, No 8,
1960, pp 33-41.

ERAGB

Sci
Aug 61

162,992

The System K₂O-N₂O₄-H₂O Solubility Isotherm, by
D. A. Epstein, Z. N. Kostenina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol IX, No 7,
pp 625-627.

SLA 57-1576

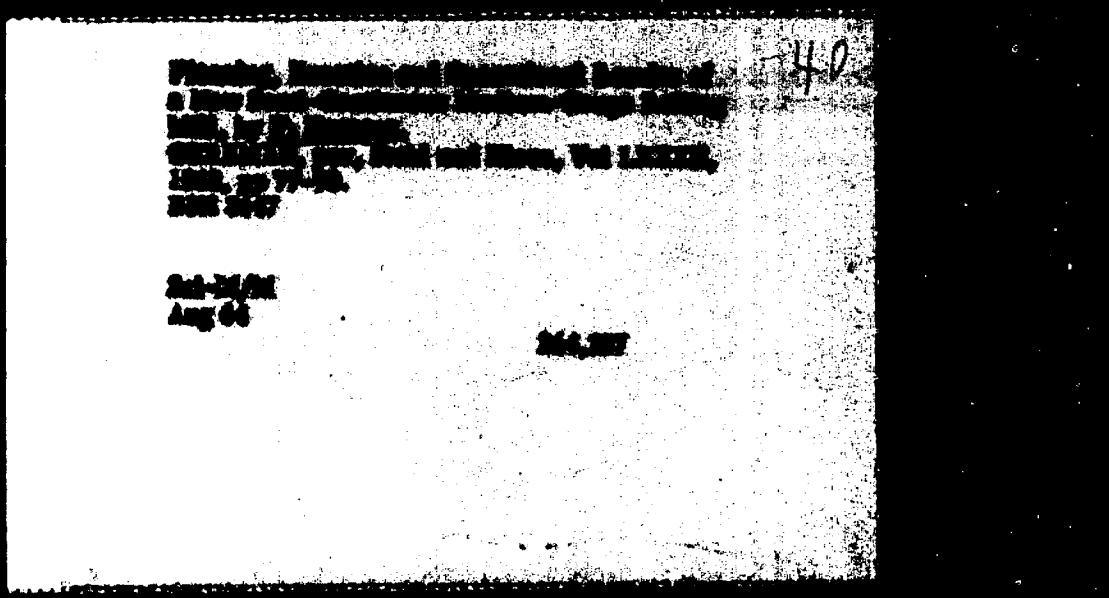
The Rolling of Sectional Iron on a Semi-
Continuous Mill for Medium-Sized Products,
by F. Kosters,
Chemie, Metall, Bergbau, Eisenber., Vol 70,
May 1952, pp 174-187.
SICL 4993

114

F. KOSTERS

APPROVED FOR RELEASE: Monday, July 28, 2003

CIA-RDP91-00929R000100350027-4



APPROVED FOR RELEASE: Monday, July 28, 2003

CIA-RDP91-00929R000100350027-4

Kösters, W.
A NEW INTERFERENCE COMPARATOR FOR
DIRECT MEASUREMENT WITH WAVE LENGTHS.
[1960] 9p. (2 tables omitted) 5 refs.
Order from SLA mi\$1.80, ph\$1.80 60-18959

Trans. of unidentified German mono.

60-18959

1. Light--Measurement
2. Title: Interference comparator
3. Kösters, W.

Office of Technical Services

(Unannounced)

The Testing of Metals for Wear, by B. I. Kostetskii,
G. A. Preis, V. D. Ellseyev.

RUSSIAN, bk, Mashgig-Kiev, Moscow, 1955.

T.I.L. T-4720

Sci - Min/metals

43, 2 44

Investigations on Furans. VII. 2,5-Bis (Chloromethyl) Furans in the Synthesis of 2,5-Bis (Alkoxymethyl)- and 2,5-Bis (Alkylnarcaptomethyl) Furans,
by K. Yu. Novitskiy, V. P. Volkov, P. V. Kostetskiy,
4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 7, 1960,
pp 2203-2206.

CB

166 563
~~301~~

Sci

Aug 61

Triacyloxyboranes and Tetraacetoxygermanium in the
Acylation Reactions of Benzene and Thiophene, by Yu. K.
Yur'yev, Z. V. Belyakova, P. V. Kostetskiy, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,
pp 415-419.

CB

Sci

Apr 61

153, 587

Quenching of Basic Bessemer Steel From the
Rolling Temperature in Full-Scale Operation, by
Franz Kosters, 15 pp.

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 21,
1953, pp 1342-1349.

SLA 60-18247

Sci

Apr 61

146,134

Diffusion Phenomena with Plastic Deformation of
Friction Surfaces, by B.I. Kostetsky, et al,
RUSSIAN, per, Dok. Akad. Nauk. Ukrain R.S.R.,
No. 11, 1966, pp. 1416-1417
*CPSTI TT 70-57061

89

sci/phys
Feb 70

B. I. Kostetsky

The X-ray Diffraction Study of the Structure of ~~XXX~~
Friction Surfaces, by B. I. Kostetskiy, I. G.
Nosovskiy, P. K. Topekha, O. I. Trotsik, N. L.
Kareta, 7 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol VII,
No 1, 1959, pp 95-101.

PP

Sci
Aug 60

124,519